OTHER ADDRESSEES . FOR INFORMATION

CERRO COPPER & BRASS COMPANY

DIVISION OF CERRO CORPORATION

CC: J. W. Goldenberg File 3204

1104

154056

INTERNAL MEMORANDUM

Form HQ-10

SHOW NAME, TITLE AND CORPORATION OF ADDRESSEE AND ADDRESSOR

TO: Paul Tandler

DATE: ___July 16, 1970____

FROM:

Bill Graff

SUBJECT:

DEEP WELL

Attached is a copy of the results of the test drilling made by Luhr Bros. on 7/10/70. Based on these results, the recommendation is made by both Luhr Bros. and the Testing Lab that a 30' long screen be installed instead of the proposed 20'. Obviously this will give us considerably greater potential capacity and greater life expectancy for this well.

I talked to Mr. Goldenberg who feels as I do that we should spend the additional \$920. (\$92./ft. as called out in the proposal) for this extra capacity.

Mr. Fellenstein feels that it would be a shame not to take full advantage of the water bearing strata located.

We should like to have your approval so that the screen can be ordered immediately.

BG/as

Enclosure

80000 - 7/16/20 W



July 13, 1970

Mr. Urban Fellenstein Luhr Bros., Inc. P. O. Box 48 Columbia, Illinois 62236

Dear Fellie:

Thank you for sending us sand samples and geological data from a test well you are drilling for Cerro Copper & Brass Company, East St. Louis, Illinois.

We are enclosing copies of our sand analysis curves for your information, depicting the gradation of the formation samples submitted.

On the basis of this information our recommendation is the utilization of a #100 (0.100-inch) slot well screen with a No. 3 gravel pack material from Northern Gravel Company of Muscatine, lowa.

Good well design dictates that for maximum efficiency from a water table well from one-third to one-half the aquifer thickness be screened. With the aquifer reported to be 75 feet thick at this location, the correct screen length for this installation should be a minimum 25-foot long and preferably 30 feet long.

A 16-inch telescope size #100 slot stainless steel well screen would have the hydraulic capabilities of transmitting 45 gpm through the screen body per foot of screen length at our recommended design velocity of 0.1 foot per second.

On the basis of the estimated permeability of the formation, the expected specific capacity of this well is in the range of 75 to 100 gpm per foot of drawdown.

Thank you again for allowing us to make this recommendation to you. If we can be of further help in any way kindly let us know.

Very truly yours,

Bell anderson

C03340

Bill Anderson Regional Sales Manager DESCRIPTION

Enclosure

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UOP JOHNSON DIVISION

315 North Pierce Street Saint Paul, Minn. 55104

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UOP JOHNSON DIVISION

CITTLE CONFIGURE

315 North Pierce Street Saint Paul, Minn. 55104

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UOP JOHNSON DIVISION 315 North Pierce Street Saint Paul, Minn. 55104

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UOP JOHNSON DIVISION

315 North Pierce Street Saint Paul, Minn. 55104

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